

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A polymer dispersion comprising

a polymer,

water, and

a surfactant;

wherein said polymer comprises and has incorporated therein in polymerized form:

an unsaturated silane (i) selected from the group consisting of

vinyldimethoxysilane, vinyltriethoxysilane,

vinyldimethoxysilane, vinylmethyldimethoxysilane,

vinyldimethoxysilane, and combinations thereof,

an organo silane (ii) selected from the group consisting of

methyltrimethoxysilane, n-propyltrimethoxysilane,

n-propyltriethoxysilane, n-propyltri(2-methoxyethoxy)silane,

isobutyltrimethoxysilane, isobutyltriethoxysilane,

n-hexyltrimethoxysilane, n-octyltrimethoxysilane,

n-octyltriethoxysilane, iso-octyltrimethoxysilane,

iso-octyltriethoxysilane, n-hexadecyltrimethoxysilane and

combinations thereof, and

a monomer selected from the group consisting of methyl methacrylate,

butyl acrylate, butylmethacrylate, acrylic acid and combinations

thereof;

wherein said polymer dispersion is obtained by polymerization of a monomer
dispersion comprising:

said unsaturated silane (i),

said organo silane (ii),

said monomer,

said surfactant, and

said water;

wherein in said monomer dispersion:

a weight ratio of said monomer to said water is from 40:60 to 55:45,

said water has a surfactant content of from 8.8% to 15% by weight of said
water, and

an amount of said unsaturated silane (i) and said organo silane (ii) ranges from
0.2 to 1.5% by weight, based on the weight of said monomer

~~A composition comprising a polymer, water, and a surfactant, wherein the polymer is~~
~~polymerized from a polymer dispersion comprising:~~

~~an unsaturated silane selected from vinyltrimethoxysilane, vinyltriethoxysilane, vinyltri(2-~~
~~methoxyethoxy)silane, vinylmethyldimethoxysilane,~~
~~vinylmethyldiethoxysilane, and combinations thereof,~~

~~an organosilane selected from methyltrimethoxysilane, n-propyltrimethoxysilane, n-~~
~~propyltriethoxysilane, n-propyltri(2-methoxyethoxy)silane, isobutyltrimethoxysilane,~~
~~isobutyltriethoxysilane, n-hexyltrimethoxysilane, n-octyltrimethoxysilane, n-~~
~~octyltriethoxysilane, iso-octyltrimethoxysilane, iso-octyltriethoxysilane, n-~~
~~hexadecyltrimethoxysilane, propyltrimethoxysilane, and combinations thereof,~~

~~a monomer,~~

~~a surfactant, and~~

~~water;~~

~~wherein in the polymer dispersion,~~

~~the weight ratio of the monomer to the water is from 40:60 to 55:45,~~

~~the water has a surfactant content of from 8.8% to 15% by weight of the water,~~
~~the amount of the components (i) and (ii) ranges from 0.2 to 1.5% by weight, based~~
~~on the weight of the monomer, and~~
~~wherein components (i) and (ii), and the monomer are incorporated into the polymer~~
~~by polymerization of the polymer dispersion.~~

Claim 2 (Currently Amended): A process for preparing said polymer dispersion ~~the composition~~ of claim 1, the process comprising:

mixing [[the]] said monomer, [[and]] said components unsaturated silane (i) and said organo silane (ii) to form a mixture,
dispersing [[the]] said mixture [[the]] in surfactant-comprising water to form ~~the polymer~~ said monomer dispersion, and
carrying out a polymerization to form said polymer ~~the composition~~.

Claim 3 (Cancelled).

Claim 4 (Currently Amended): The process of claim 2, wherein in [[the]] said mixture and ~~the polymer~~ said monomer dispersion, ~~component~~ said unsaturated silane (i) is used in a weight ratio to said organo silane component (ii) of from 99.9:0.1 to 0.1:99.9.

Claim 5 (Currently Amended): The process of claim 2, wherein in [[the]] said mixture and said monomer ~~the polymer~~ dispersion, said unsaturated silane ~~the component~~ (i) is said vinyltriethoxysilane.

Claim 6 (Currently Amended): The process of claim 5,
wherein in [[the]] said mixture and said monomer ~~the polymer~~ dispersion,
~~the component~~ said organo silane (ii) is
n-propyltriethoxysilane.

Claim 7 (Currently Amended): A polymer dispersion comprising
a polymer,
water, and
a surfactant;
wherein said polymer comprises and has incorporated therein in polymerized form:
an unsaturated silane (i) selected from the group consisting of
vinyldimethoxysilane, vinyltriethoxysilane,
vinyltri(2-methoxyethoxy)silane, vinylmethyldimethoxysilane,
vinylmethyldiethoxysilane, and combinations thereof,
an organo silane (ii) selected from the group consisting of
methyltrimethoxysilane, n-propyltrimethoxysilane,
n-propyltriethoxysilane, n-propyltri(2-methoxyethoxy)silane,
isobutyltrimethoxysilane, isobutyltriethoxysilane,
n-hexyltrimethoxysilane, n-octyltrimethoxysilane,
n-octyltriethoxysilane, isoctyltrimethoxysilane,
isoctyltriethoxysilane, n-hexadecyltrimethoxysilane and
combinations thereof, and
a polymeric precursor stage selected from the group consisting of
a precursor stage of a polyacrylate, a precursor stage of a
polymethacrylate, a precursor stage of a polystyrene acrylate, a

precursor stage of a polyvinyl alcohol, a precursor stage of a polyvinyl acetate and combinations thereof;
wherein said polymer dispersion is obtained by polymerization of a monomer dispersion comprising:

said unsaturated silane (i),
said organo silane (ii),
said polymeric precursor stage,
said surfactant, and
said water;

wherein in said monomer dispersion:

a weight ratio of said polymeric precursor stage to said water is from 40:60 to 55:45,

said water has a surfactant content of from 8.8% to 15% by weight of said water, and

an amount of said unsaturated silane (i) and said organo silane (ii) ranges from 0.2 to 1.5% by weight, based on the weight of said polymeric precursor stage

The process of claim 2,

wherein

~~a precursor stage of a polymer selected from a polyacrylate, a polymethacrylate, a polystyrene acrylate, a polyvinyl alcohol, and a polyvinyl acetate is used as the monomer.~~

Claim 8 (Currently Amended): A polymer dispersion composition obtained by the process of claim 2.

Claim 9 (Canceled).

Claim 10 (Currently Amended): A method for preparing an adhesive, or a sealant, or an ink or a paint, the method comprising:

adding said polymer dispersion ~~the composition~~ of claim 1 to a concrete primer.

Claim 11 (Currently Amended): An article comprising:

~~the composition~~ said polymer dispersion of claim 1.

Claim 12 (Currently Amended): The polymer dispersion ~~composition~~ of claim 1, wherein [[the]] said monomer is a combination of at least two of selected from methyl methacrylate, butyl acrylate, butyl methacrylate[[,]] and acrylic acid, ~~vinyl alcohol~~, ~~vinyl acetate~~, ~~methacrylic acid and combinations thereof~~.

Claim 13 (Currently Amended): The polymer dispersion ~~composition~~ of claim 1, wherein in [[the]] said monomer ~~polymer~~ dispersion, [[the]] said unsaturated silane (i) is vinyltriethoxysilane and [[the]] said organo silane (ii) ~~organosilane~~ is n-propyltriethoxysilane.

Claim 14 (Currently Amended): The polymer dispersion ~~composition~~ of claim 1, wherein [[the]] wherein said monomer ~~polymer~~ dispersion further comprises a silicic ester of the general formula (III),



wherein groups R³ are identical or different and R³ is an alkoxy group selected from the group consisting of methoxy, ethoxy, n-propoxy, isopropoxy, n-butoxy and isobutoxy; and

wherein the silicic ester of the general formula (III) is incorporated into [[the]] said polymer during polymerization so that said polymer comprises, in polymerized form, said silicic ester of the general formula (III).

Claim 15 (Currently Amended): The process of claim 7, wherein said polymeric precursor stage is said [[a]] precursor stage of a polyacrylate is used as the monomer.

Claim 16 (Currently Amended): The process of claim 7, wherein said polymeric precursor stage is said [[a]] precursor stage of a polymethacrylate is used as the monomer.

Claim 17 (Currently Amended): The process of claim 7, wherein said polymeric precursor stage is said [[a]] precursor stage of a polystyrene acrylate is used as the monomer.

Claim 18 (Cancelled).

Claim 19 (Currently Amended): The process of claim 7, wherein said polymeric precursor stage is said [[a]] precursor stage of a polyvinyl alcohol is used as the monomer.

Claim 20 (Currently Amended): The process of claim 7, wherein said polymeric precursor stage is said [[a]] precursor stage of a polyvinyl acetate is used as the monomer.

Claim 21 (Currently Amended): The polymer dispersion composition of claim 13, wherein in said monomer the polymer dispersion, [[the]] said monomer is selected from the group consisting of butyl acrylate, methyl methacrylate, methacrylic acid, and combinations thereof.

Claim 22 (Currently Amended): The polymer dispersion composition of claim 21, wherein in the polymer said monomer dispersion, [[the]] said monomer is a combination of butyl acrylate, methyl methacrylate, and methacrylic acid.

Claim 23 (New): The polymer dispersion of claim 1, wherein said surfactant is selected from the group consisting of octylphenol ethoxylate, nonylphenol ethoxylate, dodecylphenol ethoxylate, and combinations thereof.

Claim 24 (New): The polymer dispersion of claim 7, wherein said surfactant is selected from the group consisting of octylphenol ethoxylate, nonylphenol ethoxylate, dodecylphenol ethoxylate, and combinations thereof.